	a region	Subclass;	ISSUE CLASSIFICATION
09/9444 08/30/0		Class	ISSUE CLA

PATENTINUMBER

U.S. **UTILITY** Patent Application

O.I.P.E.
SCANNED CHIZ Q.A. AM

PATENT DATE

APPLICATION NO. 09/944472 CONT/PRIOR CLASS SUBCLASS ART UNIT EXAMINER.

James Howarth

Method of ball grid array (BGA) alignment, method of testing, alignment apparatus and semiconductor device assembly

PTO-204 12/99

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ISSUING CLASSIFICATION

ORIGINAL

CROSS REFERENCE(S)

CLASS
SUBCLASS
CLASS
SUBCLASS (ONE SUBCLASS PER BLOCK)

INTERNATIONAL CLASSIFICATION

ORIGINAL

CROSS REFERENCE(S)

SUBCLASS PER BLOCK)

ORIGINAL

CROSS REFERENCE(S)

CLASS

TERMINAL	DRAWINGS			CLAIMS ALLOWED		
L DISCLAIMER	Sheets Drwg.	Figs. Drwg.	Print Fig.	Total Claims	Print Claim for O.G.	
The term of this patent		NOTICE OF ALLOWANCE MAILED				
subsequent to (date) has been disclaimed.	(Assistant Examiner) (Date)					
The term of this patent shall			•	in the same	- Province	
not extend beyond the expiration date of U.S Patent. No.			ISSUE FEE			
				Amount Due	Date Paid	
	(Primary	Examiner)	(Date)	100115 045		
The terminalmonths of this patent have been disclaimed.		•	•	ISSUE BAT	CH NUMBER	
this patent have been disclaimed.	(Legal Instrum	ents Examiner)	(Date)			
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